

CLAIMS

Claims 1-8. (Canceled)

9. (Currently amended) A method of inhibiting the proliferation of cancer cells in a subject comprising administering, to the subject, an effective amount of at least one isolated peptide having a sequence selected from the group consisting of:

Cys Val His Ala Tyr Arg Ala (SEQ ID NO:2);

Cys Val His Ala Phe Arg Ser (SEQ ID NO:3); and

Cys Val His Ser Phe Arg Ala (SEQ ID NO:8);

wherein the peptide sequence exhibits an antiproliferative activity.

10. (Original) The method of claim 9, where the cancer cells are breast cancer cells.

11. (Original) The method of claim 9, where the cancer cells are lung cancer cells.

12. (Original) The method of claim 9, where the cancer cells are colon cells.

13. (Original) The method of claim 9, where the cancer cells are melanoma cells.

14. (Original) The method of claim 9, where the cancer cells are leukemia cells.

15-21. (Canceled)

22. (Currently amended) An isolated peptide selected from the group consisting of:

~~Cys Val His Ala Tyr Arg Ser (SEQ ID NO:1);~~

Cys Val His Ala Tyr Arg Ala (SEQ ID NO:2);

Cys Val His Ala Phe Arg Ser (SEQ ID NO:3); and

~~Cys Val His Ala Phe Arg Ala (SEQ ID NO:4);~~

~~Cys Val His Ser Tyr Arg Ser (SEQ ID NO:5);~~

~~Cys Val His Ser Tyr Arg Ala (SEQ ID NO:6);~~

~~Cys Val His Ser Phe Arg Ser (SEQ ID NO:7);~~

Cys Val His Ser Phe Arg Ala (SEQ ID NO:8);

~~Cys Val His Thr Tyr Arg Ser (SEQ ID NO:9);~~

~~Cys Val His Thr Tyr Arg Ala (SEQ ID NO:10);~~

~~Cys Val His Thr Phe Arg Ser (SEQ ID NO:11); and~~
~~Cys Val His Thr Phe Arg Ala (SEQ ID NO:12).~~

23-24. (Canceled)

25. (Currently amended) A composition comprising an excipient and at least one isolated peptide consisting essentially of:

~~Cys Val His Ala Tyr Arg Ser (SEQ ID NO:1);~~
Cys Val His Ala Tyr Arg Ala (SEQ ID NO:2);
Cys Val His Ala Phe Arg Ser (SEQ ID NO:3); or
~~Cys Val His Ala Phe Arg Ala (SEQ ID NO:4);~~
~~Cys Val His Ser Tyr Arg Ser (SEQ ID NO:5);~~
~~Cys Val His Ser Tyr Arg Ala (SEQ ID NO:6);~~
~~Cys Val His Ser Phe Arg Ser (SEQ ID NO:7);~~
Cys Val His Ser Phe Arg Ala (SEQ ID NO:8);
~~Cys Val His Thr Tyr Arg Ser (SEQ ID NO:9);~~
~~Cys Val His Thr Tyr Arg Ala (SEQ ID NO:10);~~
~~Cys Val His Thr Phe Arg Ser (SEQ ID NO:11); or~~
~~Cys Val His Thr Phe Arg Ala (SEQ ID NO:12).~~

26. (Previously presented) A method of inhibiting proliferation of cancer cells in a subject comprising administering to the subject an effective amount of at least one isolated peptide consisting essentially of:

Cys Val His Ala Tyr Arg Ala (SEQ ID NO:2);
Cys Val His Ala Phe Arg Ser (SEQ ID NO:3); or
Cys Val His Ser Phe Arg Ala (SEQ ID NO:8).

27. (Canceled)

28. (Currently amended) An isolated peptide having a sequence selected from the group consisting of:

Cys Val His Ala Tyr Arg Ala (SEQ ID NO:2);
Cys Val His Ala Phe Arg Ser (SEQ ID NO:3); and

Cys Val His Ser Phe Arg Ala (SEQ ID NO:8);
wherein the ~~sequence~~ peptide exhibits an antiproliferative activity.

29. (Currently amended) A composition comprising an excipient and at least one isolated peptide having a sequence selected from the group consisting of:

Cys Val His Ala Tyr Arg Ala (SEQ ID NO:2);
Cys Val His Ala Phe Arg Ser (SEQ ID NO:3); and
Cys Val His Ser Phe Arg Ala (SEQ ID NO:8);

wherein the ~~sequence~~ peptide exhibits an antiproliferative activity.

30. (Currently amended) A composition consisting essentially of an isolated peptide selected from the group consisting of:

~~Cys Val His Ala Tyr Arg Ser (SEQ ID NO:1);~~
Cys Val His Ala Tyr Arg Ala (SEQ ID NO:2);
Cys Val His Ala Phe Arg Ser (SEQ ID NO:3); and
~~Cys Val His Ala Phe Arg Ala (SEQ ID NO:4);~~
~~Cys Val His Ser Tyr Arg Ser (SEQ ID NO:5);~~
~~Cys Val His Ser Tyr Arg Ala (SEQ ID NO:6);~~
~~Cys Val His Ser Phe Arg Ser (SEQ ID NO:7);~~
Cys Val His Ser Phe Arg Ala (SEQ ID NO:8);
~~Cys Val His Thr Tyr Arg Ser (SEQ ID NO:9);~~
~~Cys Val His Thr Tyr Arg Ala (SEQ ID NO:10);~~
~~Cys Val His Thr Phe Arg Ser (SEQ ID NO:11); and~~
~~Cys Val His Thr Phe Arg Ala (SEQ ID NO:12).~~